

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-120389

(43)Date of publication of application : 08.05.1990

(51)Int.Cl. C09K 11/08
C09K 11/71
C09K 11/73
H01J 61/44

(21)Application number : 63-270732 (71)Applicant : TOSHIBA CORP
(22)Date of filing : 28.10.1988 (72)Inventor : HAGIWARA YASUHIKO
KATO SEIJI

(54) FLUORESCENT LAMP

(57)Abstract:

PURPOSE: To obtain a fluorescent lamp undergoing neither reduction in luminous flux nor change in chromaticity even when used over a long period of time by covering a blue phosphor comprising a plurality of specified blue phosphors with a fluorescent screen formed from a phosphor comprising a combination of a green phosphor with a red phosphor.

CONSTITUTION: A fluorescent screen is formed from a phosphor comprising a combination of a green phosphor of, e.g., the formula $(La, Ce, Tb)_2O_3 \cdot 0.9P_2O_5 \cdot 0.2SiO_2$, having an emission peak at 530-550nm with a red phosphor of, e.g., the formula Y_2O_3/Eu , having an emission peak at 600-620nm so as to cover a blue phosphor comprising a combination of three phosphors, i.e., a blue phosphor of the formula $Sr_2P_2O_7/Eu^{2+}$, having an emission peak at 410-430nm, a blue phosphor of, e.g., the formula $(Ba, Mg)_3Al_6O_{27}/Eu^{2+}$, having an emission peak at 440-460nm, and a blue phosphor of the formula $Ca_{10}(PO_4)_6(F, Cl)_2/Sb$, having an emission peak at 480nm.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office